

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of
Invention

OPTICAL READER HAVING A PLURALITY OF IMAGING
MODULES

Application Number: 10/782569
Confirmation Number: 5660
First Named Applicant: William HAVENS
Attorney Docket Number: 283-358 CON
Art Unit: 2876
Search string: (20010043273 or 20010055422 or
20020039099 or 20020066788).pn.



US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
KCK	1	20010043273	2001-11-22	Herrod et al.			
KCK	2	20010055422	2001-12-27	Roustaei			
KCK	3	20020039099	2002-04-04	Harper			
KCK	4	20020066788	2002-06-06	Knowles			

Remarks

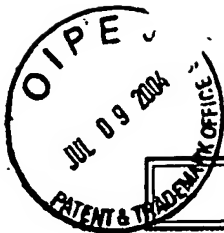
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This is the fifth of five electronically-filed Information Disclosure Statements. An additional (sixth) Information Disclosure Statement citing foreign references will follow via U.S. First Class Mail.

Signature

Examiner Name	Date
Kumiko C. Koyama	2/19/05

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Title of Invention	OPTICAL READER HAVING A PLURALITY OF IMAGING MODULES																																																																																																														
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<div>US Patent Documents</div> <div>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</div> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>KCK</td><td>1</td><td>6182897</td><td>2001-02-06</td><td>Knowles et al.</td><td></td><td></td><td></td></tr><tr><td>KCK</td><td>2</td><td>6199044</td><td>2001-03-06</td><td>Ackley et al.</td><td></td><td></td><td></td></tr><tr><td>KCK</td><td>3</td><td>6213397</td><td>2001-04-10</td><td>Rando</td><td></td><td></td><td></td></tr><tr><td>KCK</td><td>4</td><td>6223988</td><td>2001-05-01</td><td>Batterman et al.</td><td></td><td></td><td></td></tr><tr><td>KCK</td><td>5</td><td>6283374</td><td>2001-09-04</td><td>Fantone et al.</td><td></td><td></td><td></td></tr><tr><td>KCK</td><td>6</td><td>6303929</td><td>2001-10-16</td><td>Oshima et al.</td><td></td><td></td><td></td></tr><tr><td>KCK</td><td>7</td><td>6318635</td><td>2001-11-20</td><td>Stoner</td><td></td><td></td><td></td></tr><tr><td>KCK</td><td>8</td><td>6318637</td><td>2001-11-20</td><td>Stoner</td><td></td><td></td><td></td></tr><tr><td>KCK</td><td>9</td><td>6321989</td><td>2001-11-27</td><td>Wilz Sr. et al.</td><td></td><td></td><td></td></tr><tr><td>KCK</td><td>10</td><td>6321991</td><td>2001-11-27</td><td>Knowles</td><td></td><td></td><td></td></tr><tr><td>KCK</td><td>11</td><td>6321992</td><td>2001-11-27</td><td>Knowles et al.</td><td></td><td></td><td></td></tr><tr><td>KCK</td><td>12</td><td>6323503</td><td>2001-11-27</td><td>Hecht</td><td></td><td></td><td></td></tr></tbody></table>								init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	KCK	1	6182897	2001-02-06	Knowles et al.				KCK	2	6199044	2001-03-06	Ackley et al.				KCK	3	6213397	2001-04-10	Rando				KCK	4	6223988	2001-05-01	Batterman et al.				KCK	5	6283374	2001-09-04	Fantone et al.				KCK	6	6303929	2001-10-16	Oshima et al.				KCK	7	6318635	2001-11-20	Stoner				KCK	8	6318637	2001-11-20	Stoner				KCK	9	6321989	2001-11-27	Wilz Sr. et al.				KCK	10	6321991	2001-11-27	Knowles				KCK	11	6321992	2001-11-27	Knowles et al.				KCK	12	6323503	2001-11-27	Hecht			
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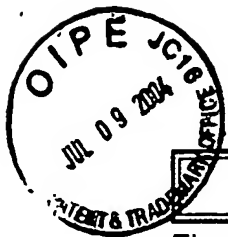
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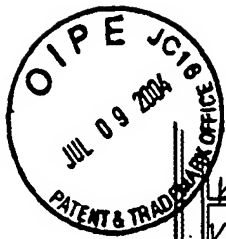
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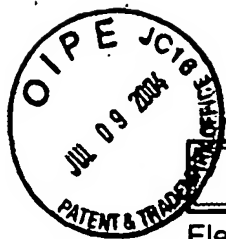
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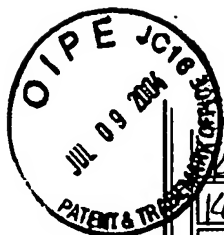


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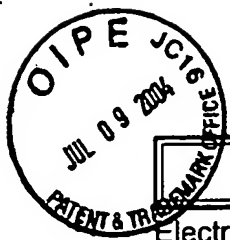
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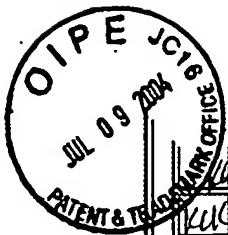
Art Unit: 2876

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KCK	17	5034619	1991-07-23	Hammond Jr.
KCK	18	5046066	1991-09-03	Messenger
KCK	19	5059778	1991-10-22	Zouzoulas et al.
KCK	20	5059779	1991-10-22	Krichever
KCK	21	5101406	1992-03-31	Messenger
KCK	22	5132525	1992-07-21	Swartz
KCK	23	5149948	1992-09-22	Chisholm
KCK	24	5157248	1992-10-20	Barkan
KCK	25	5177346	1993-01-05	Chisholm
KCK	26	5206881	1993-04-27	Messenger et al.
KCK	27	5208449	1993-05-04	Eastman et al.
KCK	28	5233171	1993-08-03	Baldwin
KCK	29	5235167	1993-08-10	Dvorkis et al.
KCK	30	5280164	1994-01-18	Barkan
KCK	31	5296689	1994-03-22	Redderson et al.
KCK	32	5317136	1994-05-31	Hasegawa et al.
KCK	33	5331176	1994-07-19	Sant Anselmo
KCK	34	5340972	1994-08-23	Sandor
KCK	35	5347113	1994-09-13	Redderson et al.
KCK	36	5354977	1994-10-11	Roustaei
KCK	37	5378883	1995-01-03	Betterman
KCK	38	5389917	1995-02-14	LaManna et al.
KCK	39	5396054	1995-03-07	Krichever et al.
KCK	40	5404002	1995-04-04	Tang
KCK	41	5406063	1995-04-11	Jelen
KCK	42	5410141	1995-04-25	Koenck et al.
KCK	43	5420411	1995-05-30	Salatto Jr. et al.
KCK	44	5440111	1995-08-08	Eastman et al.
KCK	45	5504316	1996-04-02	Bridgelall



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<input checked="" type="checkbox"/>	47	5504367	1996-04-02	Arackellian et al.
<input checked="" type="checkbox"/>	48	5510606	1996-04-23	Worthington et al.
<input checked="" type="checkbox"/>	49	5532692	1996-07-02	Tatsuya
<input checked="" type="checkbox"/>	50	5541419	1996-07-30	Arackellian

Remarks

Note: Remarks are not for responding to an office action.

This submission is the first of five electronically-filed Information Disclosure Statements. An additional (sixth) Information Disclosure Statement citing foreign references will follow via U.S. First Class Mail.

Signature

Examiner Name	Date
<i>Kumiko C. Keyama</i>	<i>2/19/05</i>

Form PTO 1449 US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Atty Docket No. 283-358 CON		Serial No. TBD
	Applicant Havens et al		
	Filing Date February 19, 2004	Group TBD	

U.S. PATENT DOCUMENTS

Exam Initial		Document Number	Date	Name	Class	Sub Class	Filing Date
KCK	A	6,398,112	6/4/02	Li et al	235	462.01	3/31/00
KCK	B	5,717,195	2/10/98	Feng et al	235	470	3/29/96
KCK	C	5,763,864	6/9/98	O'Hagan et al	235	462.07	10/23/95
KCK	D	5,814,827	9/29/98	Katz	250	556	5/5/97
KCK	E	6,595,422	7/22/03	Doljack	235	462.42	6/23/99
KCK	F	6,578,767	6/17/03	Barkan et al	235	462.43	7/14/00
KCK	G	6,439,462	8/27/02	Dickson et al	235	462.74	2/18/99
KCK	H	6,375,074	4/23/02	Dickson et al	235	462.01	2/17/99
KCK	I	6,352,204	3/5/02	Hattersley et al	235	472.01	8/4/99
KCK	J	6,323,503	11/27/01	Hecht	250	566	5/28/99
KCK	K	6,303,929	10/16/01	Oshima et al	250	271	3/11/99
KCK	L	6,223,988	5/1/01	Batterman et al	235	472.01	4/13/99
KCK	M	6,147,358	11/14/00	Hecht	250	566	6/9/99
KCK	N	5,975,419	11/2/99	Dickson et al	235	472.02	9/30/97
KCK	O	5,942,762	8/24/99	Hecht	250	556	1/29/97
KCK	P	5,932,139	8/3/99	Oshima et al	252	301.16	11/17/95
KCK	Q	5,894,348	4/13/99	Bacchi et al	356	370	11/26/97
KCK	R	5,872,354	2/16/99	Hanson	235	462.24	11/22/94
KCK	S	5,777,743	7/7/98	Bacchi et al	356	370	10/3/96
KCK	T	5,696,607	12/9/97	Yamana et al	358 235	474	10/4/95
KCK	U	5,637,854	6/10/97	Thomas	235	462.14	9/22/95
KCK	V	5,602,376	2/11/97	Coleman et al	235	462.44	5/7/93
KCK	W	5,597,997	1/28/97	Obata et al	235	455	10/5/95
KCK	X	5,541,419	7/30/96	Arackellian	250	566	3/21/94
KCK	Y	5,504,317	4/2/96	Takahashi	235	462.42	1/5/94
KCK	Z	5,280,164	1/18/94	Barkan	235	462.21	12/17/91
KCK	AA	5,233,171	8/3/93	Baldwin	235	462.31	9/13/90
KCK	BB	5,177,346	1/5/93	Chisholm	235	462.06	12/13/89

Exam Initial		Document Number	Date	Name	Class	Sub Class	File Date
KCK	CC	5,157,248	10/20/92	Barkan	235	462.35	4/8/91
KCK	DD	5,149,948	9/22/92	Chisholm	235	462.06	7/16/90
KCK	EE	5,034,619	7/23/91	Hammond Jr	250	569	9/21/89
KCK	FF	5,010,241	4/23/91	Butterworth	462 235	462.24	1/12/89
KCK	GG	4,920,255	4/24/90	Gabeler	235	454	10/31/88
KCK	HH	4,057,784	11/8/77	Tafoya	235	462.4	9/27/76
KCK	II	3,978,317	8/31/76	Yamaguchi et al	235	462.48	2/24/75
KCK	JJ	6,578,767	6/17/03	Barkan et al	235	462.43	7/14/00
KCK	KK	6,360,949	3/26/02	Shepard et al	235	462.43	3/24/99
KCK	LL	5,955,720	9/21/99	He et al	235	462.34	3/21/96
KCK	MM	5,914,478	6/22/99	Bridgelall	235	462.25	1/24/97
KCK	NN	5,859,417	1/12/99	Dvorkis et al	235	462.39	8/15/97
KCK	OO	5,280,164	1/18/94	Barkan	235	462.21	12/17/91
KCK	PP	5,157,248	10/20/92	Barkan	235	462.35	4/8/91

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
KCK	QQ	EP 0 910 032 A2	4/20/98					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages Etc.)

Examiner	Kumiko C. Koyama	
Date Considered	2/19/05	

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